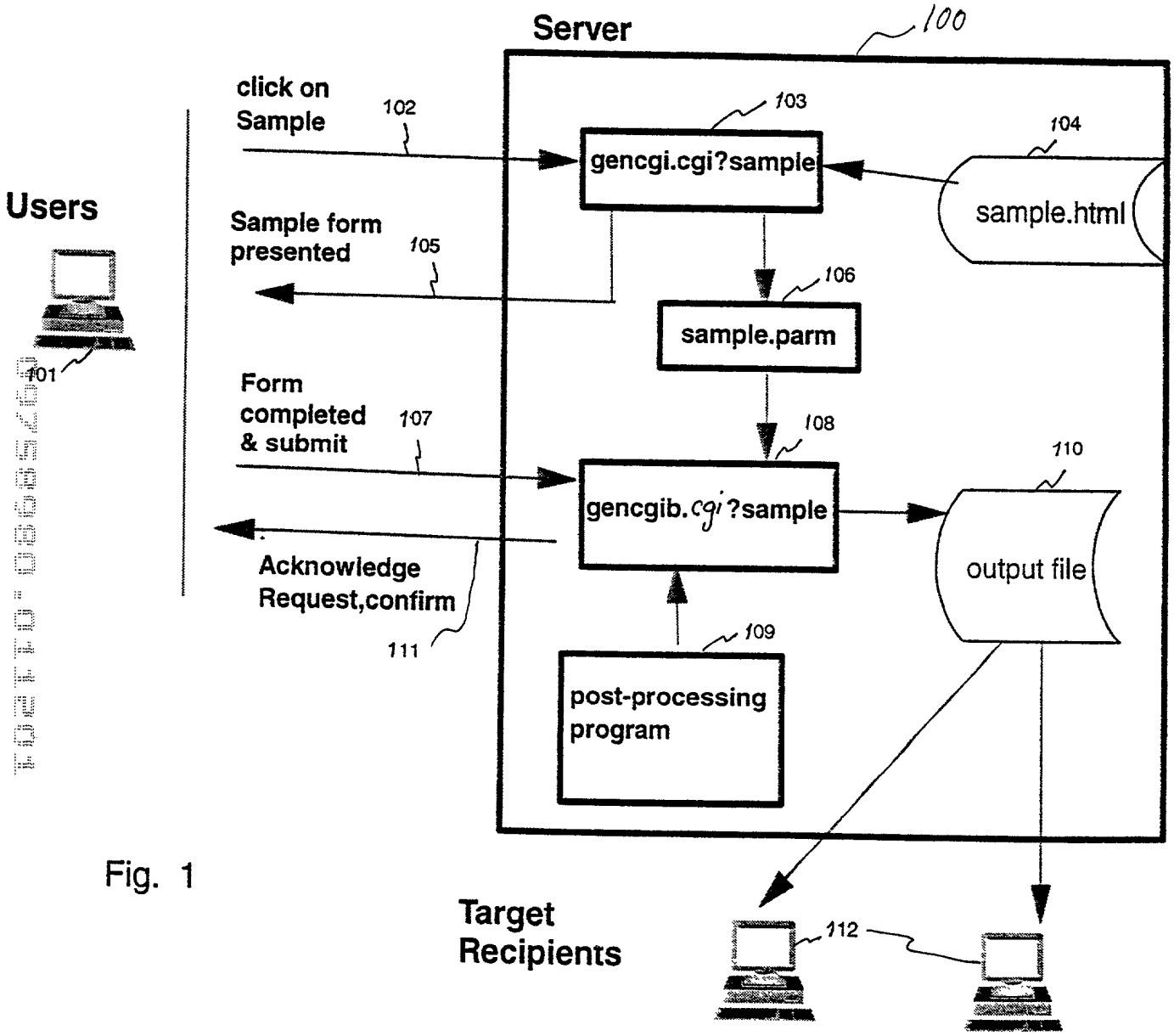
Server
100
click on Sample
102
103
gencgi.cgi?sample
104
sample.html
Users
Sample form presented
105
106
sample.parm
101
Form completed & submit
107
108
110
gencgib.cgi?sample
output file
Acknowledge Request,confirm
111
109
post-processing program
Target Recipients
112

Fig. 1

```
<HTML>
<!-- ------------------------------------------------------------------------ -->
<!-- sample.html  --  Example of html input file for Generic CGI Hangling.    -->
<!--                                                                          -->
<!-- MANUFACTURING -- OPERATOR COUNT REQUEST FORM.      George Te,11/21/2000  -->
<!-- ------------------------------------------------------------------------ -->
<HEAD><TITLE>HTML input file for Generic CGI Handling</TITLE></HEAD>
<BODY text="0000A0">
<FORM NAME="sample" METHOD = "POST" ACTION="gencgib.cgi?sample">
<BR><FONT SIZE=6> Manufacturing - Operator Count </FONT>
<HR><BR>
<TABLE BORDER CELLPADDING=5>
  <TR> <TD>User Id <BR><INPUT TYPE=text NAME="user" SIZE=15 value=$$usrid ></TD>
       <TD>Factory <BR><INPUT TYPE=text NAME="fact" SIZE=15 value="0"  ></TD>
       <TD COLSPAN=2>Current Plan ID<br>
           <SELECT NAME="plan">
              <OPTION VALUE="planA1" SELECTED >Plan-A
              <OPTION VALUE="planD1">T1 Plan-T
              <OPTION VALUE="planE1">U1 Plan-E
              <OPTION VALUE="planF1">V1 Plan-F    </SELECT> </TD></TR>
  <TR> <TD>Product ID <BR><INPUT TYPE=text NAME="prod" SIZE=15 value="ALL" ></TD>
       <TD>Station    <BR><INPUT TYPE=text NAME="stan" SIZE=15 value="ALL" ></TD>
       <TD>Machine    <BR><INPUT TYPE=text NAME="mach" SIZE=15 value="ALL" ></TD> </TR>
  <TR> <TD>Categories <BR><INPUT TYPE=text NAME="catg" SIZE=15 value=""    ></TD>
       <TD>Center     <BR><INPUT TYPE=text NAME="cent" SIZE=15 value=""    ></TD>
       <TD>Processes  <BR><INPUT TYPE=text NAME="prcs" SIZE=15 value="ALL" ></TD> </TR>
  </TABLE><BR>
  <HR>
    Operators: (Please select one) <BR>
    <INPUT TYPE="Radio" Name="actn" value="a1 Operator Demand    ">1. Run Operator count at demand <BR>
    <INPUT TYPE="Radio" Name="actn" value="a2 Oper_starts" CHECKED>2. Run Operator count at Starts <BR>
  <BR>
    <INPUT TYPE=submit NAME="submitbutton" VALUE="Submit">
    <INPUT TYPE=reset NAME="resetbutton" VALUE="Reset">
  </FORM>

<SCRIPT  language = JavaScript >
<!--
      document.sample.fact.focus() ;
// -->
</SCRIPT>
<!-- ------------------------------------------------------------------------ -->
<!-- EMAIL_SEND:    Y         (N-Don't send; Y-send per EMAIL_RECEIVER.)      -->
<!--                                                                          -->
<!-- EMAIL_RECEIVER:  te@us.ibm.com                                           -->
<!-- EMAIL_RECEIVER:  gte@vnet.ibm.com                                        -->
<!--                                                                          -->
<!-- PROGRAM:  /afs/fishkill/data/fac/pqr/mmm555/countopr.exec                -->
<!--                                                                          -->
<!-- ======================================================================== -->
<!--  KEYS:                                                                   -->
<!--  1. email_send -- to send results to recipients or not.                  -->
<!--  2. email_receiver -- email addresses of receivers of output files.     -->
<!--  3. program -- programs that gencgib.cgi will call.  If 2nd              -->
<!--                    word is '&', then execute detached. 'NO&' or blank    -->
<!--                    means execute at called point.  Calling program waits -->
<!--                    for results.                                          -->
<!-- ------------------------------------------------------------------------ -->
</body> </html>
```

201

202

203

204

Fig. 2. sample.html

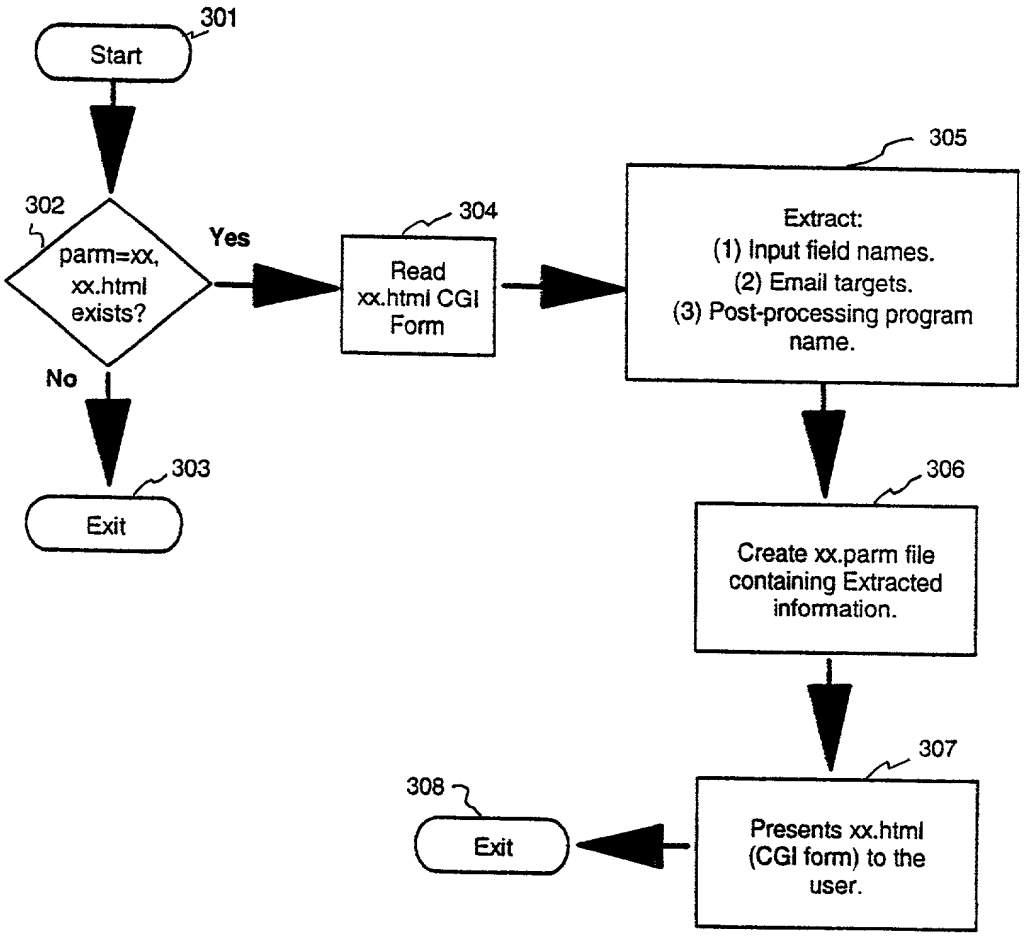
301
Start
302
parm=xx, xx.html exists?
Yes
No
303
Exit
304
Read xx.html CGI Form
305
Extract:
(1) Input field names.
(2) Email targets.
(3) Post-processing program name.
306
Create xx.parm file containing Extracted information.
307
Presents xx.html (CGI form) to the user.
308
Exit

Fig. 3

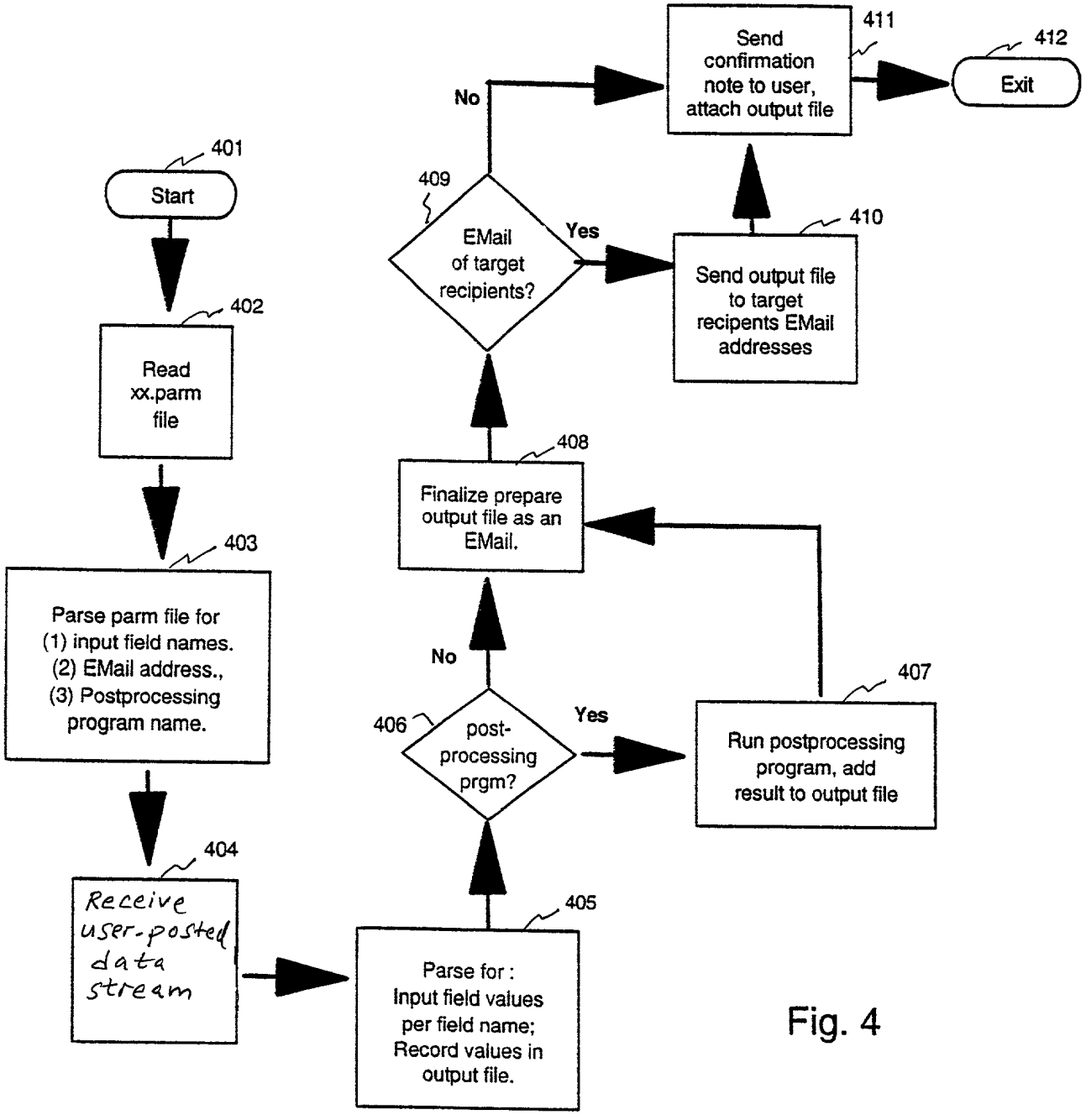
401
Start
402
Read xx.parm file
403
Parse parm file for (1) input field names. (2) EMail address., (3) Postprocessing program name.
404
Receive user-posted data stream
405
Parse for : Input field values per field name; Record values in output file.
406
post-processing prgm?
No
Yes
407
Run postprocessing program, add result to output file
408
Finalize prepare output file as an EMail.
409
EMail of target recipients?
No
Yes
410
Send output file to target recipents EMail addresses
411
Send confirmation note to user, attach output file
412
Exit

Fig. 4

Sample.html Input Screen

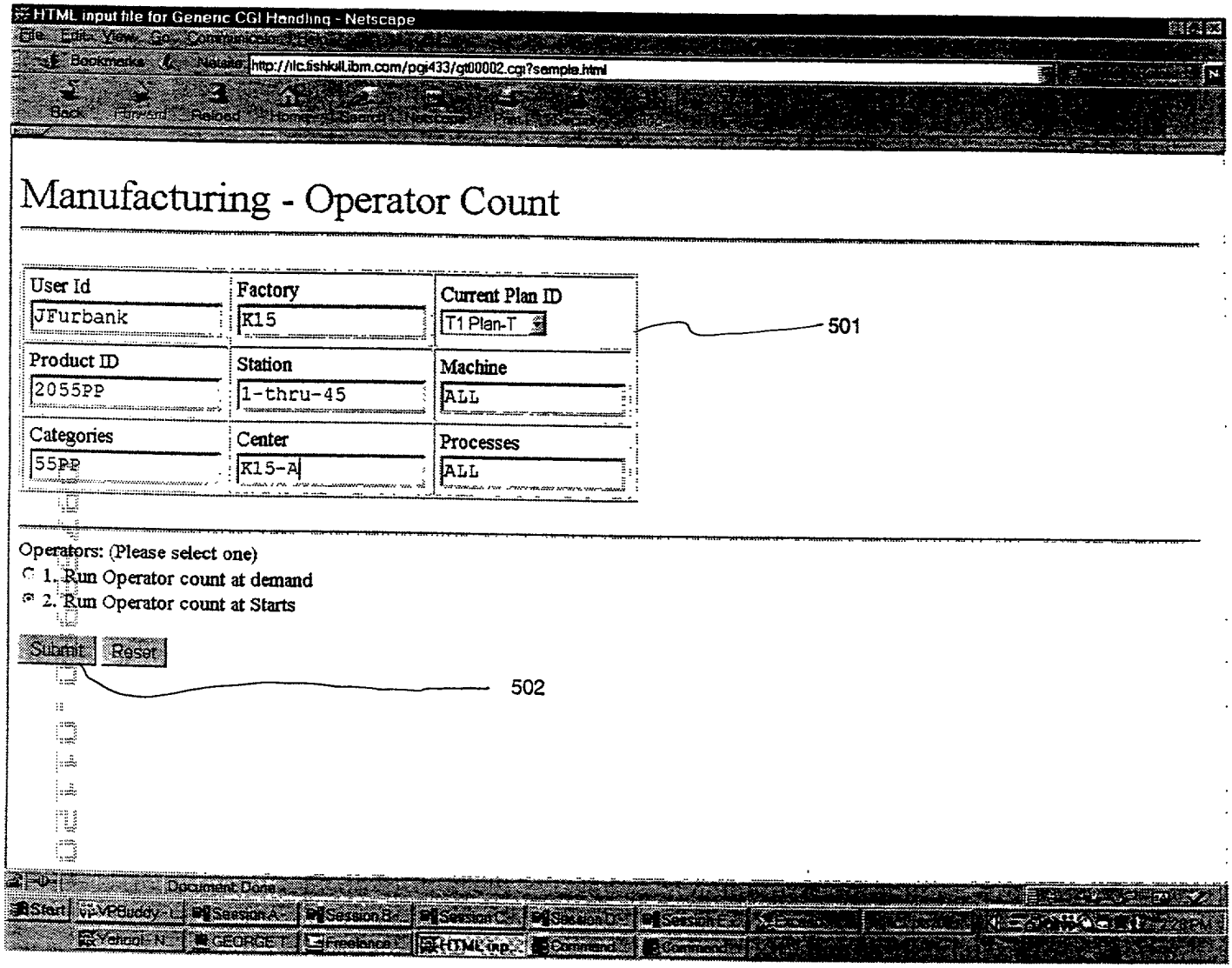

Fig. 5

Confirmation Response to the User.

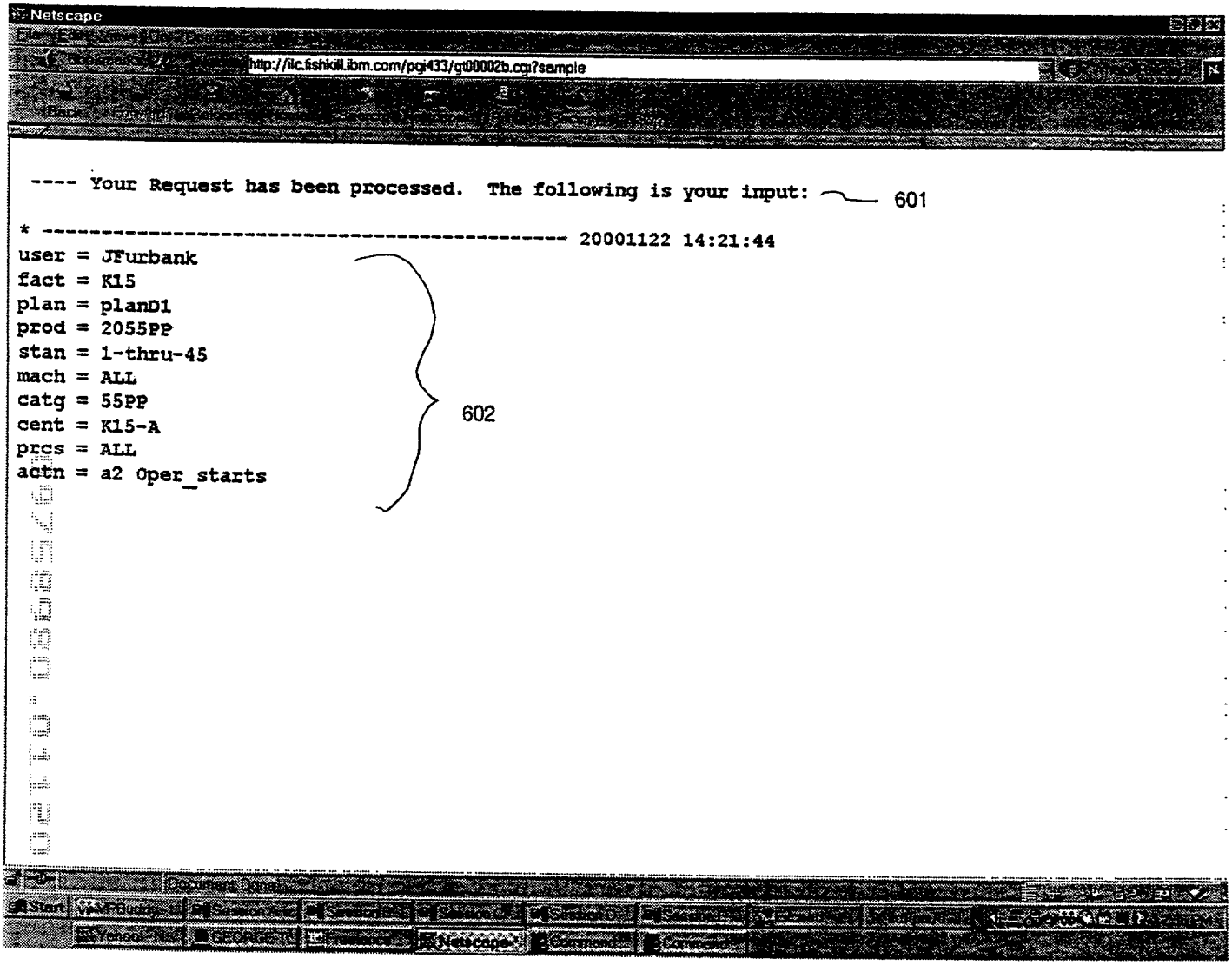

Fig. 6

Output File EMailed to Target Recipient(s).

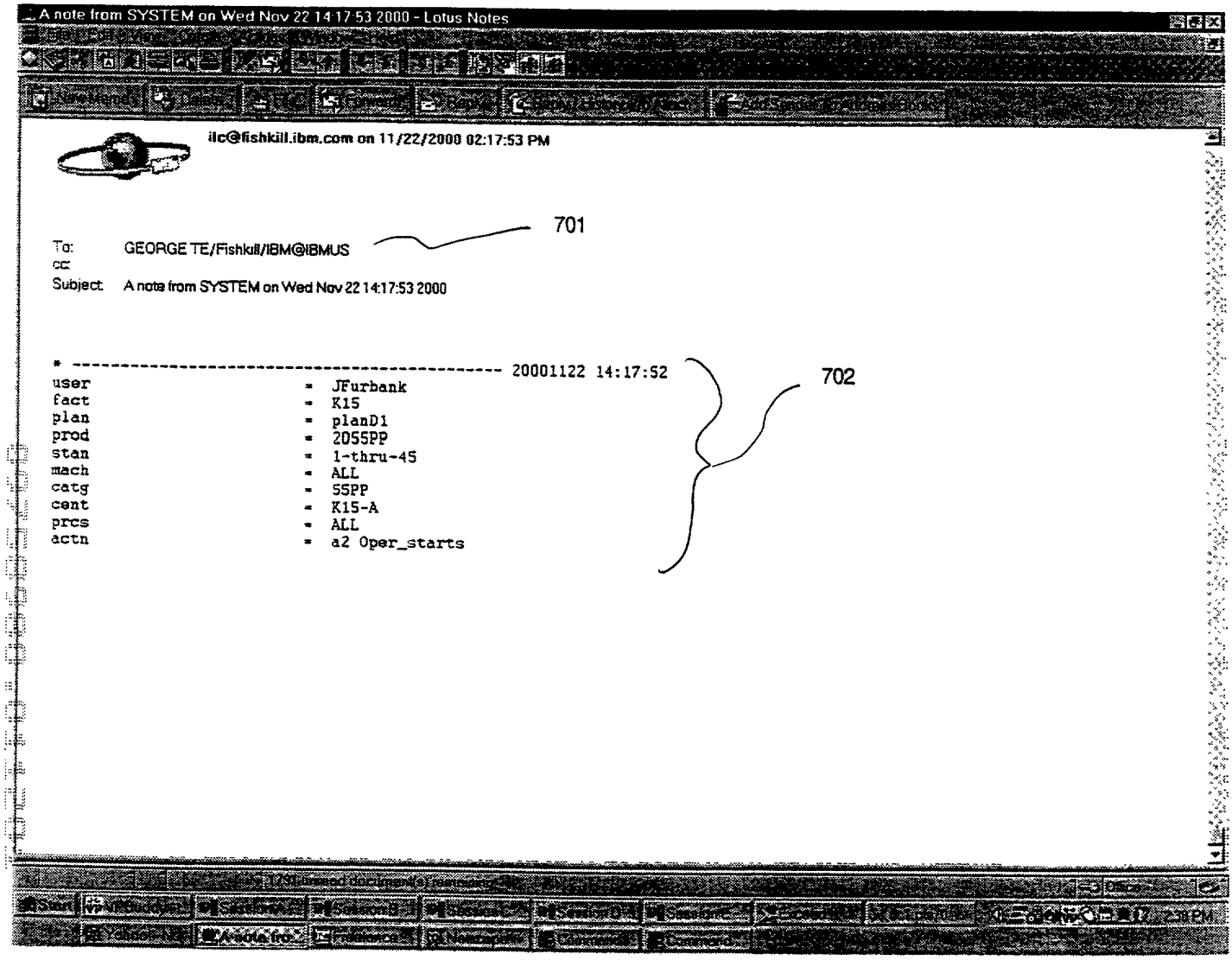

Fig. 7

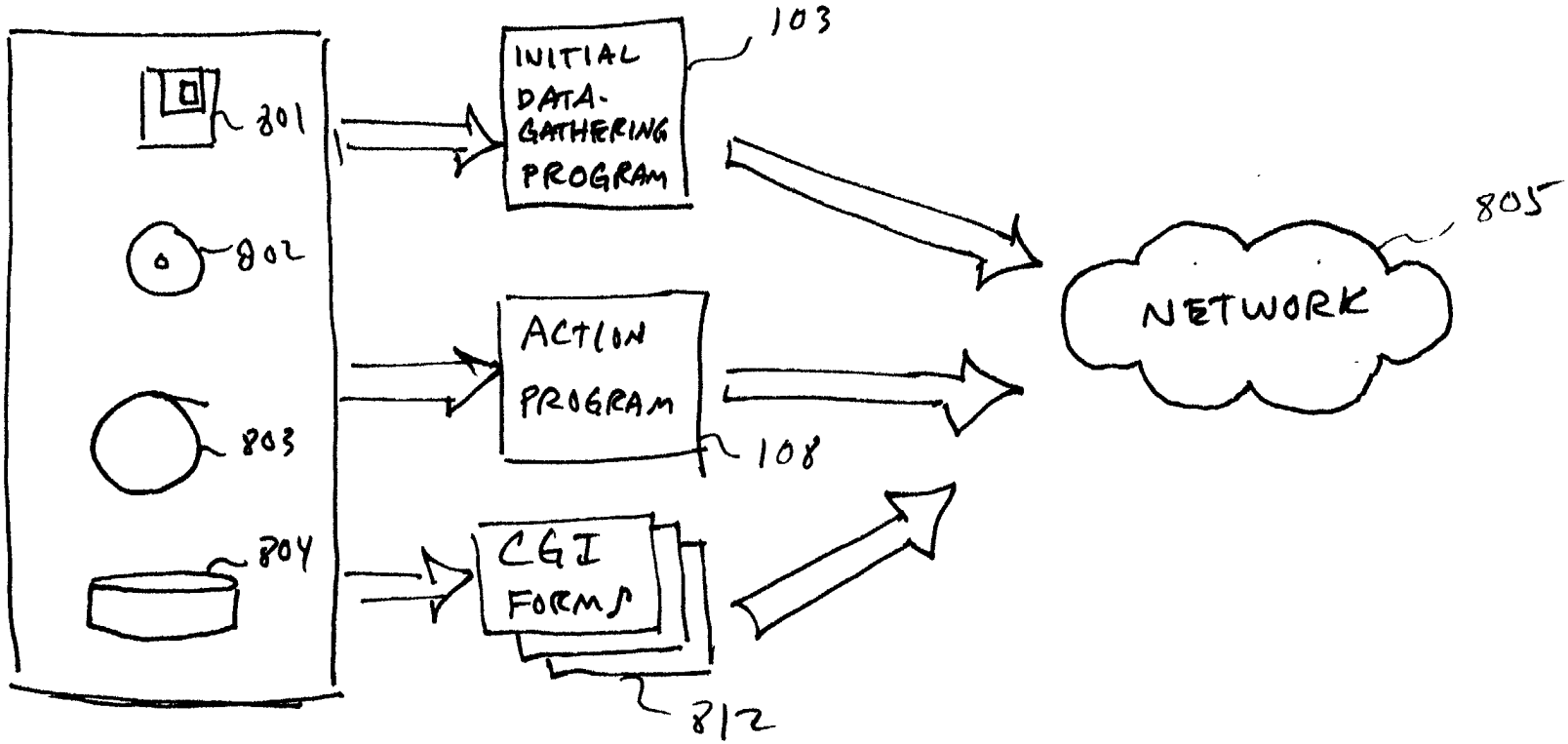
INITIAL DATA-GATHERING PROGRAM
103
801
802
803
804
ACTION PROGRAM
108
CGI FORMS
812
NETWORK
805

FIG. 8